

Exhibit F

THE OXFORD ENGLISH DICTIONARY

SECOND EDITION

Prepared by

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VOLUME V
Dvandva–Follis

CLARENDON PRESS · OXFORD

Oxford University Press, Great Clarendon Street, Oxford OX2 6DP
Oxford New York
Athens Auckland Bangkok Bogotá Buenos Aires Calcutta
Cape Town Chennai Dar es Salaam Delhi Florence Hong Kong Istanbul
Karachi Kuala Lumpur Madrid Melbourne Mexico City Mumbai
Nairobi Paris São Paulo Singapore Taipei Tokyo Toronto Warsaw
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First published 1989
Reprinted 1991 (with corrections), 1998

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British Library Cataloguing in Publication Data

Oxford English dictionary.—2nd ed.

1. English language—Dictionaries

I. Simpson, J. A. (John Andrew), 1953-

II. Weiner, Edmund S. C., 1950-

423

ISBN 0-19-861217-6 (vol. V)

ISBN 0-19-861186-2 (set)

Library of Congress Cataloging-in-Publication Data

The Oxford English dictionary.—2nd ed.

prepared by J. A. Simpson and E. S. C. Weiner

Bibliography: p.

ISBN 0-19-861217-6 (vol. V)

ISBN 0-19-861186-2 (set)

I. English language—Dictionaries. I. Simpson, J. A.

II. Weiner, E. S. C. III. Oxford University Press.

PE1625.087 1989

423—dc19 88-5330

Data capture by ICC, Fort Washington, Pa.

Text-processing by Oxford University Press

Typesetting by Pindar Graphics Origination, Scarborough, N. Yorks.

Manufactured in the United States of America by
World Color Book Services, Taunton, Mass.

omes me best, a sort of dyingness. 1823 *New Monthly g. VIII.* 276 To sing faintly, sweetly, and as it were dry. 1955 E. Bowen *World of Love* v. 98 She could not bear dyingness to usurp.

irbal (*djɔ:rbal*), *sb.* (and *a.*) Also *Chirpal*, *irbal*, etc. [Native name.] An Australian original language spoken in the vicinity of illy and Atherton in N.E. Queensland; the people speaking this language. Also *attrib.* or *as i.*

901 W. E. ROTH *N. Queensland Ethnogr.* III. 3 CHI = irbal blacks to be found at Atherton, etc. 1910 *Rec. stral. Museum VIII.* 1. 91 At Atherton, the natives... ong to three groups or tribes speaking chirpal, aikungo and ngachan. 1939 *Oceania IX.* 442 The atjan, Mamu, Tjirbal, Mudju and perhaps Ngaihungo may have not simply two moieties, but three phratries. 1968 *igus XXI.* 104 The main aim of this paper is to discuss... semantic basis of noun class membership in Dyirbal. 72 R. M. W. DIXON (*title*) The Dyirbal language of North Queensland. 1977 C. F. & F. M. VOGELIN *Classification & dex World's Lang.* 278 *Yara*. Inland and along the coast of central Queensland, opposite the Great Barrier Reef... irbal = Djirbal = Tjirbal, etc. 1977 *Language LIII.* 8 Dyirbal... a northeastern Australian language, has four un classifiers. 1984 *Verbatim* Summer 6/2 Chloe... rked out principles of gender in Dyirbal (involving a knowledge of Dyirbal science).

yit, *Sc. var.* of *DITE sb.*, *Obs.*

yke, etc., a frequent spelling of *DIKE sb.*, etc.

yker, *dylaye*, *obs. forms of DICKER, DELAY.*

yilde (in phr. *God dyld you*): see *YIELD v.*

yle, *dyll(e)*, *obs. forms of DILL.*

ylectable, *obs. var. DELECTABLE.*

yluuye, *var. DILUVY Obs.*, deluge, flood.

ymaxion (*dai'mæksɪən*), *a.* Also *Dymaxion*. Arbitrary; see note below.] In the philosophies of construction and design of R. Buckminster Fuller: yielding the greatest possible efficiency in terms of the available technology, 'doing the most with the least'. Hence *dymaxion car*, *house*, *map*, etc.

In a private communication (July 1969) Mr. Buckminster Fuller said that the word was coined for him in 1929 by his business associates as a 'word-portrait' of him and his work. They were concerned to form a euphonious word of four syllables based on words that occurred in Fuller's own description of his prototype (*Dymaxion*) house, viz. *ynamism*, *max(imum)*, and *ion*.

1929 R. B. FULLER in *Archit. Forum* July 104 (*caption*) elevation and Isometric Drawing of the Dymaxion House. 934 *Sat. Rev.* 2 June 1/1 The author [sc. H. G. Wells], during his recent visit to America, with the new Dymaxion ar. 1960 R. W. MARKS *Dymaxion World of B. Fuller* 9/1 Another dimension of this Weltenschauung is expressed by the term *Dymaxion*, a label Fuller has used to qualify the implication of his various inventions, developments, and projected ideas. *Ibid.* 34/1 The Dymaxion bathroom was designed by Fuller for ultimate production in plastics, when plastics had been developed to an adequate point. *Ibid.* 49/1 The Dymaxion map was not a shadow projection, as are other global maps, but a topological transfer of a high frequency form of Fuller's totally-triangulated systems from the surface of a sphere to the equivalent triangular patches on the faces of a polyhedron. 1962 R. DAVENPORT in R. B. Fuller *Epic Poem on Industrialization* p. vi. At his own factory in Bridgeport he designed and built the first Dymaxion car.

dymbe, *dyme*, *dymme*, *obs. forms of DIM.*

dyme, *obs. form of DEEM, v., DIME.*

dymisent, *dymyceynt*, *-sen(t, -son):* see DEMICEINT, *Obs.*

dymonde, *obs. form of DIAMOND.*

dyna-. In the derivatives of Gr. *δύνα-θει* to be able, *δύναμις* power, *y* (= Gr. *v*) is etymologically short, and is so treated in pronouncing dictionaries down to the middle of the 19th c. But popular usage (esp. since *dynamicite* came into vogue) tends to give the *y* the diphthongal pronunciation (*ai*) in all these words, though (*dim-*) is still preferred by some in *dynamic* and its family, and app. by most scholars in *dynasty* and its family.

dyna, *obs. form of DINAR.*

dynacti'nometer? *Obs.* [f. Gr. *δύναμις* power + *άκτη* (*άκτη*) ray + *μέτρον* measure: see -METER, and cf. ACTINOMETER.] An instrument designed to measure the intensity of the photogenic rays, and to compute the power of object-glasses.

1851 M. CLAUDET in *Philos. Mag.*

dynagraph (*dainagra:f*, *-æ-*, *dim-*). [f. Gr. *δύναμις* power + *-γράφω* writer, -GRAPH.] The name given in the United States to a machine of the same character as the *dynamometer car* on some English Railways, used for mechanically

reporting the condition of a railway line, the speed of a train, and the power used in traversing a given distance.

These elements are recorded on a paper ribbon moved by means of gearing from one of the axles of the car or van which carries the machine.

1890 in *Century Dict.*

'dynam. *Obs.* [a. F. *dyname* (also *dynamie*), 'a unit of power, the force necessary to raise in a given time 1000 kilogrammes to a height of 1 metre'; f. Gr. *δύναμις* power, force.] 'A term proposed by Dr. Whewell, as expressive of a pound or other unit, in estimating the effect of mechanical labour.' Craig 1847. (See also DYNE.)

dyna'magnite, early name for DYNAMOGEN, q.v.

dyname ('dainəm). *Physics.* [a. Ger. *dyname*, f. Gr. *δύναμις*: see DYNAM.] A force or a force and a couple, the resultant of all the forces acting together on a body.

1866 J. PLÜCKER *Fundam. Views Mech. in Phil. Trans.* CLVI. 362 If any number of given forces... act upon or pass through given points, according to the fundamental laws of statics, the resulting effect is obtained by adding the six coordinates of the forces... In the general case I propose to call the cause producing the resulting effect *dyname*. *Ibid.* 363 A dyname, determined by its six linear coordinates... represents the effect produced by two forces not intersecting each other. *Ibid.* 369 A dyname may be resolved into pairs of forces, the forces of all pairs constitute a linear complex.

dynameter (*dai-*, *di'næmɪtə(r)*; see DYNAM.). [mod. f. Gr. *δύναμις* power + *μέτρον* measure; or shortened from DYNAMOMETER.] An instrument for measuring the magnifying power of a telescope; = DYNAMOMETER 2.

1828 WEBSTER cites RAMSDEN. 1837 GORING & PRITCHARD *Microg.* 67 View the image... formed in the visual pencil of an envelope, with a dynameter of very delicate divisions. 1878 LOCKYER *Stargazing* 116 The image can be measured with tolerable accuracy by Mr. Berthon's dynameter.

Hence *dyna'metric*, *dyna'metrical adj.*, of or pertaining to a dynameter.

1828 WEBSTER, *Dynameter*.

dynamic (*dai-*, *di'næmɪk*; see DYNAM-), *a.* and *sb.* [ad. F. *dynamique* (Leibnitz 1692. *Dict. Acad.* 1762), ad. Gr. *δυναμικός* powerful, f. *δύναμις* power, strength.]

A. adj. 1. Of or pertaining to force producing motion; often opposed to *static*.

1827 D. GILBERT in *Phil. Trans. CXVII.* 26 Mr. Watt... assumed one pound raised one foot high for what has been called in other countries the dynamic unit. 1843-46 GROVE *Corr. Phys. Forces* (ed. 1) 13 A comparative view of the corpuscular and dynamic theories of heat. 1850 *Ibid.* (ed. 2) 74, I have used... the terms *dynamic* and *static* to represent the different states of magnetism. 1847 J. DWYER *Princ. Hydraul. Engineer.* 94 The horse's power is principally used by Engineers in this country as a Dynamic unit. 1855 H. SPENCER *Princ. Psychol.* (1872) II. vi. xi. 138 We find light producing a dynamic effect... in those molecular rearrangements which it works in certain crystals. 1860 TYNDALL *Glac.* II. xix. 331 According to the dynamic view... heat is regarded as a motion. 1881 ARMSTRONG *Address Brit. Assoc. in Nature* No. 619. 449 Such is the richness of coal as a store of mechanical energy that a pound of coal, even as used in the steam-engine, produces a dynamic effect about five times greater than a pound of gunpowder burnt in a gun.

2. Of or pertaining to force in action or operation; active.

1862 TYNDALL *Mountaineer*, i. 6 What would man be without Nature? A mere capacity, if such a thing be conceivable alone; potential, but not dynamic. 1863 — *Heat* v. 137 While in the act of falling, the energy of the weight is active. It may be called *actual energy*, in antithesis to *possible*, or... *dynamic energy*, in antithesis to *potential*. *Ibid.* 138 As potential energy disappears, dynamic energy comes into play.

3. *transf.* and *fig. a.* Active, potent, energetic, effective, forceful.

1856 EMERSON *Eng. Traits, Lit. Wks.* (Bohn.) II. 105 Their dynamic brains hurled off their words, as the revolving stone hurls off scraps of grit. 1876 GEO. ELIOT *Dan. Der.* I. i. What was the secret of form or expression which gave the dynamic quality to her glance? 1878 LECKY *Eng. in 18th C.* I. i. 14 It [Greek intellect] has been the great dynamic agency in European civilisation.

b. Opposed to *static*.

1876 C. P. MASON *Eng. Gram.* (ed. 2) 117 (To borrow a metaphor from mechanics) the adjective is a *static attribute*, the verb is a *dynamic attribute*.

4. *Of*, according to, or pertaining to the science of DYNAMICS: as the *dynamic theory of the tides*.

1838-51 NICHOL *Archit. Heav.* (ed. 9) 196 A sure dynamic theorem. 1891 E. PEACOCK N. BRENDON II. 416 The dynamic laws which cause a pump to act.

5. *Med. a.* Functional, in contradistinction to organic; as in *dynamic disease*. b. With Hahnemann and his followers: Of the nature of some immaterial or 'spiritual' influence. + c. Attended with a morbid increase of vital action, sthenic (*obs.*).

dynamic school: a name given to the Stahlians, or followers of Stahl, as attributing the vital phenomena to the

operation of an internal force or power acting for the most part independently of external causes. (*Syd. Soc. Lex.*)

[1829 see ADYNAMIC.] 1834 *Good's Study Med.* (ed. 4) IV. 272 Dr. Stoker, who has divided dropsies into two kinds, dynamic and adynamic. 1855 J. R. REYNOLDS *Dis. Brain* ix. The simple fact of convulsions is proof of dynamic (functional) disease. 1881 J. G. GLOVER in *Encycl. Brit.* XII. 128/1 (*Homoeopathy*). Underlying all his [Hahnemann's] system... was the idea that the causes of disease were impalpable, immaterial, spiritual, dynamic. 1882 *Med. Temp. Jnl.* I. 114 A dynamic narcosis of the ultimate fibres of sensation.

6. In the Kantian philosophy: Relating to the reason of existence of an object of experience.

dynamic relations, the relations between objects as forming parts of one connected experience: viz. the relations of substance and accident, of cause and effect, and of substances acting upon each other. *dynamic category*, a category that expresses one of the dynamic relations. *dynamic synthesis*, a synthesis which is guided by the dynamic categories.

7. Relating to the existence or action of some force or forces; applied esp. to a theory that accounts for matter, or for mind, as being merely the action of forces: see DYNAMISM I.

dynamic theory of Kant, a theory according to which matter was conceived to be constituted by two antagonistic principles of attraction and repulsion.

1817 COLERIDGE *Biog. Lit.* I. ix. 150 We had both equal obligations to the polar logic and dynamic philosophy of Giordano Bruno.

8. *Mus.* Of, pertaining to, or indicating the volume of sound from a musical instrument or in a musical performance. Also *transf.*

1893 J. S. SHEDLOCK tr. *Riemann's Dict. Mus.* 226/1 The natural dynamic shading of a musical phrase is therefore *crescendo*... and *diminuendo*... Dynamic and agogic shadings must be used with economy. 1931 G. JACOB *Orchestral Technique* iii. 29 It is excellent as a bass-strengthener, however, in dynamic ranges of *mf* and upwards. 1941 B.B.C. *Gloss. Broadc. Terms to Dynamic range*, range of intensities within which the volume of a programme fluctuates. 1948 *Penguin Music Mag.* June 126 Fearless attack, great volume, and subtle dynamic changes.

9. *dynamic braking* = electric braking; *dynamic equator* (see quot. 1883); *dynamic metamorphism* (also *dynamical m.*) Geol., metamorphism produced by mechanical forces; *dynamic pressure*, the pressure in a fluid that is due to its motion.

1930 *Engineering* 24 Jan. 105/1 Driven by two 100 h.p. mill-type motors, equipped with solenoid and dynamic braking. 1950 *Ibid.* 22 Dec. 528/2 Slip-ring induction motor, with dynamic braking. 1883 *Encycl. Brit.* XVI. 165/1 The line connecting all the points where the magnetic intensity is least is called the dynamic equator. 1893 *Jnl. Geol.* I. 854 The dynamic metamorphism of the eruptive rocks occurring in it. 1965 A. HOLMES *Princ. Phys. Geol.* (ed. 2) viii. 170 Since the main process is dynamic, slate is said to be a product of dynamic metamorphism. 1919 A. B. EASON *Flow & Measure. Air & Gases* ix. 163 Threlfall... mentions tests made upon a Pitot tube in which... there was a large suction effect, and... the difference between the static and dynamic pressures was of the form $H = k(u^n)$, where n was greater than 2. 1949 O. G. SUTTON *Sci. of Flight* II. 36 The dynamic pressure of the flow... is the pressure felt on the nose of a body at the point where the impinging stream is actually brought to rest. 1970 A. C. KERMODE *Flight without Formulae* 43 A fluid can exert pressure for two reasons: first because of its movement... The pressure due to movement we will call dynamic pressure.

B. *sb. 1. = DYNAMICS, q.v.*

1873 CLIFFORD *Syllabus of Lectures in Math. Papers* (1882) 516 The science which teaches under what circumstances particular motions take place... is called *Dynamic*... It is divided into two parts, *Static*... and *Kinetic*. 1878 — (*title*) Elements of Dynamic: an Introduction to the Study of Motion and Rest in Solid and Fluid Bodies.

2. = Dynamic theory: see A. 7.

1884 tr. LOTZE'S *Metaph.* 305 As Kant does in the course of his 'Proof' of this Precept No. 1 of his 'Dynamic'.

3. Energizing or motive force.

1894 H. DRUMMOND *Ascent of Man* 270 The Struggle for Life, as life's dynamic, can never wholly cease. 1896 *Advance* (Chicago) 16 July 80/1 There is lack of dynamic. There is lack of direct soul-changing power.

4. *Mus.* = DYNAMICS 3.

[1884 H. RIEMANN (*title*) *Musikalische Dynamik und Agogik*.] 1895 D. COOKE *Lang. Music* iii. 159 The minor system, soft dynamic, and slow tempo.

dynamical (*dar-, di'næmɪkəl*), *a.* [f. as prec. + *-AL*.]

1. Of or pertaining to the science of DYNAMICS.

1812-16 PLAYFAIR *Nat. Phil.* (1819) II. 271 An elementary exposition of the dynamical principles employed in these investigations. 1833 HERSCHEL *Astron.* viii. 266 As an abstract dynamical proposition. 1869 HUXLEY *Sci. Opinion* 28 Apr. 486/3 Strict deductions from admitted dynamical principles.

2. Of or pertaining to force or mechanical power: = DYNAMIC a. 1, 2.

dynamical electricity, current electricity, as exhibited in the galvanic battery, and in electromotive appliances. d. *metamorphism*: see prec. 9.

1828 WEBSTER, *Dynamical*, pertaining to strength or power. 1843-46 GROVE *Corr. Phys. Forces* (ed. 1) 15 Nor do we by any of our ordinary methods test heat in any other way than by its purely mechanical action. 1855 H. SPENCER *Princ. Psychol.* (1872) II. vi. xi. 138 In this purely dynamical action consists the production of sound. 1860 MAURY *Phys. Geog. Sea* ii. § 108 The dynamical forces which are expressed by the Gulf Stream. 1862 SIR H. HOLLAND *Ess.* i. 14 On the mutual convertibility of heat and dynamical force. 1880 HAUGHTON *Phys. Geog.* iii. 96 In a permanent condition of dynamical equilibrium. 1881 SWAINSON *Entomol. Mag.* 56